CCTV Analogue Solutions

DVR, CMS and Mobile Application

Fracarro DVR

Powerful Recording	▸ Quality adjustable for each single camera over 9 levels ▸ Resolution adjustable for each single camera (CIF, Half-D1, D1, 960H, Full-HD) ▸ Recording Calendar adjustable for each single camera ▸ H264 compression ▸ Pre and post events recordings ▸ Easy backup on USB, DVD by AVI files
Easy Configuration	▸ Multilanguage OSD for easy setup ▸ All the DVRs share the same user friendly graphic menu ▸ Optional control keyboard by RS-485 (DVR SPEED-KB)
Complete Network	▸ All the DVR provide easy network connection by Static and Dynamic IP ▸ Quick internet connection by dedicated DDNS server totally free of charge
Remote Management	▸ Windows and MAC software for easy management ▸ E-Map software for professional management of unlimited DVR ▸ Free app for smartphone and tablet (Apple and Android): Fracarro iDVR

Advanced CMS for unlimited Fracarro DVRs with audio/video streaming technology.

Support Windows® 7/8, Vista, XP and 2003
Monitoring all front-end devices in a single PC

- Remote video, audio, alarm input/output monitoring
- Bi-directional audio
- Remote alarm output and PTZ control
- Remote backup, playback, configuration, and upgrade
- Remote alarm notification
- Print/ snapshot live or recorded video

App Fracarro iDVR

The application Fracarro iDVR can easily manage all the Fracarro DVRs (series Smart, Venezia, Milano, Firenze and SDI) directly from Smart Phone and tablet.

Fracarro iDVR is simple to use but at the same time gives a complete control of all functions of the DVRs. The application allows to manage the alarms, as well as viewing and searching images taken by each of the cameras installed. If Speed Dome cameras are installed, it also allows their positioning.

Software compatibile MAC & WIN

App Fracarro iDVR

DVR

		DVR FIRENZE 16 918138	DVR MILANO 16 918124	DVR VENEZIA 16 918175	DVR VENEZIA 8 918140	DVR VENEZIA 4 918139	DVR SMART 918174
Camera inputs	Analog (PAL/NTSC)	16	16	16	8	4	4
Recording capability (frame per second, real Time)	CIF	400 fps	400 fps	400 fps	200 fps	100 fps	100 fps
	Half D1	400 fps	400 fps	400 fps	200 fps	100 fps	100 fps
	Full D1	400 fps	300 fps	300 fps	200 fps	100 fps	100 fps
	960 H	400 fps*	200 fps*	200 fps*	150 fps*	100 fps*	100 fps*
Storage	Unlimited capacity for each slot	max 5 HDD (or 4+1 internal DVD)	max 3 HDD (or 2+1 internal DVD)	1 HDD			
Video Output	HDMI	√		√*			
	S-Video	√		-			
	BNC MAIN	√					
	BNC SPOT	√		-			
	VGA	√					
Alarms	Input	16	16, 1 Panic	4			-
	Output	4	2	1			-
	Arm/ DIsarm	√	-				
Audio	Input	4		2			1
	Output	2	1				

* January 2014

Accessories

DVR-SPEED-KB 918138	Remote control keyboard (RS485) up to 256 DVR and/or Fracarro speed dome of CSD series
DVR-EXT-REMOTE 918136	IR detector with 3 meters cable for additional remote control extension
MOUSE USB DVR 918136	Additional USB optical mouse for Fracarro DVR
HDD-500S 918122	Hard disk 3,5" SATA 7200rpm 500GB
HDD-1000S 918123	Hard disk 3,5" SATA 7200rpm 1TB
HDD-2000S 918133	Hard disk 3,5" SATA 7200rpm 2TB

IR Cameras

IR Cameras

		CIR700-650WDR 918149	CIR700-922WDR 918154	CIR700-312WDR 918153
Lens	Focal	6 - 50 mm	9 - 22 mm	2,8 - 12 mm
	Autoiris	Yes	Yes	Yes
	IR Correction	Yes	Yes	Yes
	Adjustment	IR Led power adjstment Easy adjustment for Zoom and Focus by rear part of metal caps		
Image sensor	Size, Type, Brand	1/3", CCD Sony		
	Resolution	700 TVL		
IR Led	Uniform irradiation	36 + 6 led	28 + 6 led	28 + 6 led
	Distance	Adjustable up to 60 meters	Adjustable up to 40 meters	Adjustable up to 40 meters
Day & Night		Software Day&Night		
OSD		Yes, joystick on rear panel		
Installation	Use	Indoor/Outdoor IP67		
	Wall	Yes		
	Ceiling	No		
	Pole	Yes by optional CIR700-POLE		
Power	Voltage	Dual power 12Vdc & 24Vac (not incl.)	12Vdc (not included)	

		CIR700-922 918165	CIR700-49 918164	CIR700-3.6 918163	CIR600-3.6 918168	CIR36-EV66 918028
Lens	Focal	9 - 22 mm	4 - 9 mm	3,6 mm	3,6 mm	4 - 9 mm
	Autoiris	Yes	Yes	Yes	No	No
	IR Correction	Yes	Yes	Yes	Yes	Yes
	Adjustment	Easy external adjustment Focus&Zoom by included mini screwdriver		Fixed lens	Fixed lens	Easy external adjustment Focus&Zoom
Image sensor	Size	1/3", CCD Sony			1/3", CMOS Nextchip	1/3", CCD Sony
	Resolution	700 TVL			600 TVL	600 TVL
IR Led	Uniform irradiation	36 Maxi led	36 led	24 led	24 led	36 led
	Distance	Up to 40 meters	Up to 30 meters	Up to 20 meters	Up to 20 meters	Up to 30 meters
Day & Night		Software Day&Night			ICR (IR Mechanical filter)	Software Day&Night
OSD		Yes, cable joystick			No	
Installation	Use	Indoor/Outdoor IP66			Indoor/Outdoor IP66	
	Wall	Yes			Yes	Yes
	Ceiling	Yes			Yes	No
	Pole	No			No	Yes w/ optional CIR700-POLE
Power	Voltage	12Vdc (not included)			12Vdc (not included)	

Dome Cameras

		CDIR700-312 918167	CDIR700-3,6 918166	CDIR600-312 918178	CDIR600-3,6 918166	CD-MINIDOME 918133
Lens	Focal	2,8 - 12 mm	3,6 mm	2,8 - 12 mm	3,6 mm	3,6 mm
	Autoiris	Yes	Yes	Yes	Yes	No
	IR Correction	Yes	Yes	Yes	Yes	No
	Adjustment	Easy external adjustment Focus&Zoom	Fixed Lens	Easy external adjustment Focus&Zoom	Fixed Lens	Fixed lens
Image sensor	Size	1/3", CCD Sony		1/3", CMOS Nextchip		1/3", CCD Sony
	Resolution	700 TVL		600 TVL		420 TVL
IR Led	Uniform irradiation	36 led	24 led	36 led	24 led	No
	Distance	Up to 30 meters	Up to 20 meters	Up to 30 meters	Up to 20 meters	-
Day & Night		Software Day&Night		ICR (IR Mechanical Filter)		Only color
OSD		Yes, cable joystick		No		No
Installation	Use	Indoor/Outdoor IP66		Indoor/Outdoor IP66		Indoor
	Wall	Yes				
	Ceiling	Yes				
	Pole	No				
Power	Voltage	12Vdc (not included)				

Choice of cameras

1: select distance						3: select the focal		IR Cameras							Cameras BOX		Dome Cameras		
5m	10m	20m	30m	40m	50m			420 TVL	600 and 700TVL						700TVL		420 TVL	600 and 700TVL	
2: select the width of view						Horizontal Angle	Lens	CIR36-EV66	CIR700-3.6 CIR600-3.6	CIR700-49	CIR700-922	CIR700-312WDR	CIR700-922WDR	CIR700-650WDR	15B5-50NDR	15B3-12ND	CD-MINIDOME	CDIR700-3.6 CDIR600-3.6	CDIR700-312 CDIR600-312
8,6	17,1	34,3	51,4	68,6	85,7	81,2°	2,8 mm					■				■			■
8,3	16,6	33,1	49,7	66,2	82,8	79,2°	2,9 mm					■				■			■
6,7	13,3	26,7	40,0	53,3	66,7	67,4°	3,6 mm		■			■				■		■	■
6,0	12,0	24,0	36,0	48,0	60,0	61,9°	4 mm			■		■				■			■
5,6	11,2	22,3	33,5	44,7	55,8	58,3°	4,3 mm			■		■				■			■
4,8	9,6	19,2	28,8	38,4	48,0	51,3°	5 mm			■		■			■	■			■
4,0	8,0	16,0	24,0	32,0	40,0	43,6°	6 mm			■		■		■	■	■			■
3,4	6,9	13,7	20,6	27,4	34,3	37,8°	7 mm			■		■		■	■	■			■
3,0	6,0	12,0	18,0	24,0	30,0	33,4°	8 mm			■		■		■	■	■			■
2,7	5,3	10,7	16,0	21,3	26,7	29,9°	9 mm			■	■	■	■	■	■	■			■
2,4	4,8	9,6	14,4	19,2	24,0	27,0°	10 mm				■	■	■	■	■	■			■
2,0	4,0	8,0	12,0	16,0	20,0	22,6°	12 mm				■	■	■	■	■	■			■
1,6	3,2	6,4	9,6	12,8	16,0	18,2°	15 mm				■		■	■	■				
1,3	2,7	5,3	8,0	10,7	13,3	15,2°	18 mm				■		■	■	■				
1,1	2,2	4,4	6,5	8,7	10,9	12,5°	22 mm				■		■	■	■				
1,0	1,9	3,8	5,8	7,7	9,6	11,0°	25 mm							■	■				
0,8	1,6	3,2	4,8	6,4	8,0	9,1°	30 mm							■	■				
0,7	1,4	2,7	4,1	5,5	6,9	7,8°	35 mm							■	■				
0,6	1,2	2,4	3,6	4,8	6,0	6,9°	40 mm							■	■				
0,5	1,1	2,1	3,2	4,3	5,3	6,1°	45 mm							■	■				
0,5	1,0	1,9	2,9	3,8	4,8	5,5°	50 mm							■	■				

Speed Dome Cameras

Speed Dome

		CSD-600LED-37 918186	CSD600CAM-37 918181	CSD600CAM-27 918180	CSD-600MINI12 918179
Lens	Focal	3.5 – 129.5 mm	3.5 – 129.5 mm	3.5 – 94.5 mm	3.6 – 44.3 mm
	Optical Zoom	37x	37x	27x	12x
	Digital Zoom	12x	12x	12x	16x
PTZ	Pan speed	0,4° – 240 °/sec	0,4° – 320 °/sec	0,4° – 320 °/sec	0,5–160 °/sec
	Tilt speed	0,4° – 120 °/sec	0,4° – 150 °/sec	0,4° – 150 °/sec	0,5–90 °/sec
	Alarm In/ Out	7 In / 2 Out	7 In / 2 Out	7 In / 2 Out	4 In / 1 Out
Installation	Outdoor	Yes, IP66	Yes, IP66 (CSD600CAM-IP66 required)		Yes, IP66
	Wall	Yes	Yes, IP66 (CSD600CAM-IP66 required)		Yes
	Pendant	Yes	Yes, IP66 (CSD600CAM-IP66 required)		No
	Ceiling	No	Yes (CSD600CAM-TUBE required)		
	In-Ceiling	No	Yes (CSD600CAM-IND required)		No
	Pole	Yes (CSD600LED-POLE required)	Yes (CSD600CAM-IP66 and CSD600-POLE required)		
	Wiper	Yes	No	No	No
	IR illuminator	Yes up to 60 meters	No	No	No

Main Specs

- Power supply 24Vac included
- 24 Privacy masks with 3D, up to 128 Presets
- Day&Night with IR mechanical filter ICR
- Vandalproof (CSD-600CAM series with outdoor housing)
- Endless rotation 360° Pan and 90° Tilt with autoflip
- High resolution 600/680 TVL
- Alarm management Input/Output
- Based on Samsung 1/4" CCD
- Autoiris and Autofocus, multilanguage OSD

Choice of cameras

1: select the distance of the target				
25	50	100	200	400
2. Select the width of view (mt)				
25,7	51,4	102,9	205,7	411,4
25,0	50,0	100,0	200,0	400,0
18,0	36,0	72,0	144,0	288,0
6,0	12,0	24,0	48,0	96,0
3,6	7,2	14,4	28,8	57,6
2,6	5,1	10,3	20,6	41,1
2,0	4,1	8,1	16,3	32,5
1,7	3,3	6,6	13,3	26,5
1,4	2,8	5,6	11,2	22,4
1,2	2,4	4,8	9,7	19,4
1,1	2,1	4,3	8,5	17,1
1,0	1,9	3,8	7,6	15,2
0,9	1,7	3,4	6,9	13,8
0,8	1,6	3,1	6,3	12,6
0,7	1,4	2,9	5,8	11,6
0,7	1,4	2,8	5,6	11,1
0,3	0,7	1,4	2,8	5,6
0,2	0,5	0,9	1,9	3,7
0,2	0,3	0,7	1,4	2,7
0,1	0,3	0,6	1,1	2,2
0,1	0,3	0,6	1,1	2,2
0,1	0,2	0,5	0,9	1,9
0,1	0,2	0,4	0,8	1,6
0,1	0,2	0,3	0,7	1,4

3: select the focal		4: choose camera			
Horizontal Angle	Lens	600TVL			
54,43°	3,5				
53,13°	3,6				
39,60°	5,0				
13,69°	15,0				
8,24°	25,0				
5,89°	35,0				
4,65°	44,3				
3,80°	54,3				
3,21°	64,3				
2,78°	74,3				
2,45°	84,3				
2,18°	94,5				
1,97°	104,5				
1,80°	114,5				
1,66°	124,5				
1,59°	129,5				
0,80°	259,0				
0,53°	388,5				
0,39°	531,6				
0,32°	647,5				
0,32°	647,5				
0,27°	777,0				
0,23°	906,5				
0,20°	1036,0				
		CSD600MINI-12	CSD600CAM-27	CSD600CAM-37	CSD600LED-37

Box Cameras and Monitor

Box Camera

		CB-700WDR 918142	CB-540TDN 918049
Image sensor	Size, Type, Brand	1/3", CCD Sony	
	Resolution	700 TVL	540 TVL
IR Led	Uniform irradiation	36 + 6 led	28 + 6 led
	Distance	Adjustable up to 60 meters	Adjustable up to 40 meters
Day & Night		IR mechanical filter	
OSD		Yes rear panel	No
Installation	Use	Indoor / Outdoor (with housing CNT-VAND)	
	Wall	Yes with bracket BCA-19	
	Ceiling	Yes with bracket BCA-19	
	Pole	Indoor / Outdoor (with housing CNT-VAND and BCA-SPEED-POLE)	
Power	Voltage	12Vdc / 24Vac	

Accessories and Outdoor Protection

15B3-12IR 918082	Varifocal lens 2,8-12 mm compensated infrared with CS attack. Horizontal viewing angle adjustable from 93.7° to 2 4,1°. Auto-iris direct drive. Luminosity F1.4 The special lenses IR allow images sharp focus both day&night.
15B5-50ND 999819	Varifocal lens for long distances 5-50 mm with CS attack. Horizontal viewing angle adjustable from 64,2° to 6,9°. Function auto-iris direct drive. Luminosity F1.4
BCA-19 999179	Wall bracket for indoor 190mm
TR-24VAC20VA 918095	Trasformer DIN rail 24Vac. Input 220-240 Vac, Maximum power 20VA. For long distances
PSU-12V1A 918096	Mini-regulated power supply 12Vdc. Input 220-240 Vac, Current max 1A. To use when the space at disposition is limited, can be inserted into the cartons 503. Supplied with power cord with DC jack.
CNT-VAND 918130	Vandalproof resistant aluminum IP67 – Anti-vandal with aluminum and glass body 6 mm - Antisat – opening folding – useful area 70x60x260 – heater and fan included – double power supply iC (24Vac) or direct with the net 90-260 Vac (internal power supply 24Vdc included) – dimensions 422x174x145 mm
CNT-VAND-BRACK 918132	Bracket housings CNT-VAND with protected passage of the cables. To use to wall mount or in combination with adapters BCA-SPEEDPOLE and BCA-SPEED-CORN
CNT-VAND-COVER 918131	Sunshield in polycarbonate to use in combination with anti-vandal housing CNT-VAND
BCA-SPEED-POLE 918085	Pole mounting adapter for BCA-SPEED-W
BCA-SPEED-CORN 918084	Corner mounting adapter for BCA-SPEED-W

Monitor

	LCD22-HDMI 918159	LCD-17B 918052	LCD-17VGA 918135	LCD-TEST3.5 918116
Size	22"	17"	17"	3,5"
Resolution	Full-HD (1920x1024)	1280x1024	1280x1024	960 x 240
Video inputs	BNC, VGA, HDMI	BNC, VGA	VGA	BNC
Video outputs	BNC	BNC	No	No
Audio inputs	3 RCA	1 jack MIC	RCA	RCA
Audio outputs	2 RCA	1 jack speaker	1 jack speaker	no
Built-in Speaker	1+1W	1+1W	1+1W	Mono
Power	12Vdc/5A power adapter included			Rechargable Lithium battery

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